

Solid Waste Stabilization and Disposition (RL-0013)/Nuclear Facility D&D, River Corridor Closure (RL-0041)/Operate Waste Disposal Facility (RL-0080)/SNF Stabilization and Disposition Storage Ops (HQ-0012X)

**D. E. McKenney, Vice President of Solid Waste
Storage and Disposal
(509) 376-1589**

*Initiated NLOP
Sludge Processing
at T Plant*



*218-E-12B, Trench
27 Investigation*

Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; RL-0041, *Nuclear Facility D&D, River Corridor Closure*; RL-0080, *Operate Waste Disposal Facility*; and HQ-0012X, *SNF Stabilization and Disposition Storage Ops*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2005.

Notable Accomplishments

Spent Nuclear Fuel Sludge Processing: Initiated treatment of North Loadout Pit (NLOP) sludge at T Plant on October 26, 2005.

Transuranic (TRU) Waste Program: Five shipments totaling 33 cubic meters (m³) were transported to the Waste Isolation Pilot Plant (WIPP) in October, and a backlog of 57 m³ of certified waste is available for shipment. The Waste Receiving and Packaging (WRAP) SuperHENC box assay system passed the initial Performance Demonstration Program (PDP), and the first Standard Waste Boxes (SWB) were certified for shipment to WIPP.

TRU Waste Retrieval: A total of 124 m³ of suspect TRU waste was retrieved in October for a cumulative total of 3,149 m³. Retrieval and interim storage of the remaining Pu-238 drums was completed. The State of Washington Department of Ecology (Ecology) approved the 218-E-12B Treatability Test Plan, and excavation of the trench was initiated.

Mixed Low Level Waste (MLLW): A total of 87 m³ of MLLW was dispositioned in October. The first shipment of FY 2006 new waste to PEcoS for thermal treatment was completed on October 31, 2005 (79 55-gallon lab pack drums).

FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 162.0	\$ 162.0	\$ 0.0
RL-0041 Nuclear Facility D&D, River Corridor	\$ 2.4	\$ 2.4	\$ 0.0
RL-0080 Operate Waste Disposal Facility	\$ 3.4	\$ 3.4	\$ 0.0
HQ-0012X SNF Stabilization & Disposition	\$ 1.8	\$ 1.8	\$ 0.0
Total	\$ 169.6	\$ 169.6	\$ 0.0

FY 2006 Schedule/Cost Performance (\$M)

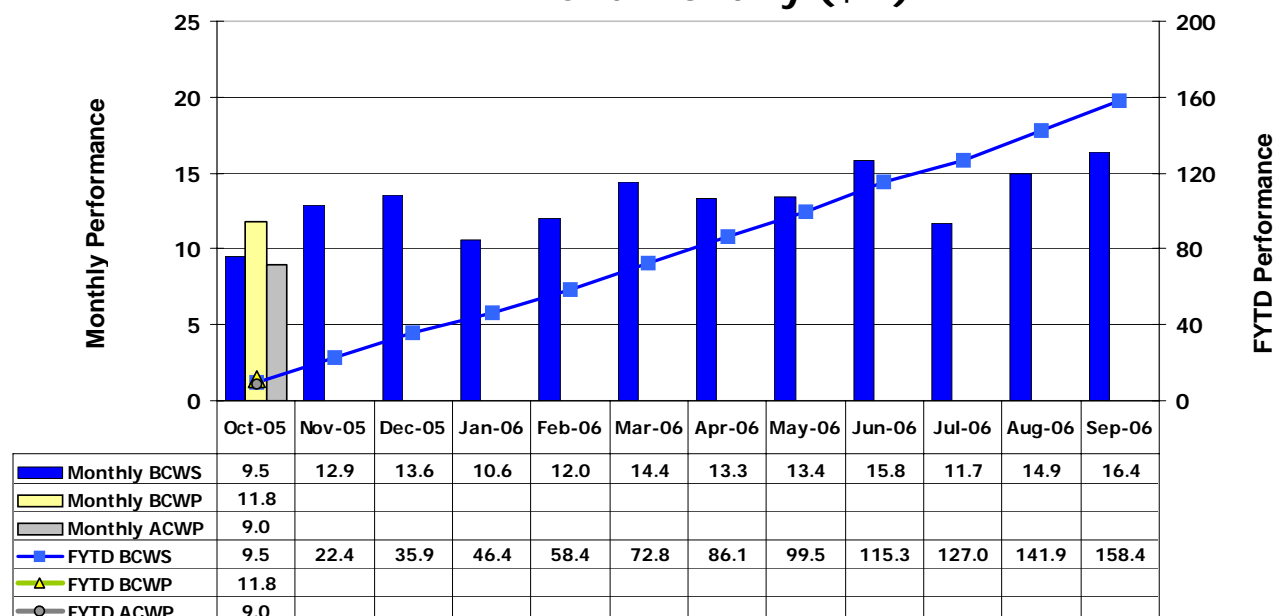
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$9.1	\$11.4	\$8.7	\$2.3	25.6%	\$2.7	23.7%	\$151.8
RL-0041	Nuclear Facility D&D, River Corridor Closure	\$0.1	\$0.1	\$0.1	\$0.0	0.7%	\$0.0	25.4%	\$2.4
RL-0080	Operate Waste Disposal Facility	\$0.1	\$0.1	\$0.1	\$0.0	0.0%	\$0.0	22.0%	\$2.8
HQ-0012X	SNF Stabilization and Disposition	\$0.1	\$0.1	\$0.0	\$0.0	0.0%	\$0.0	38.7%	\$1.3
Total		\$9.5	\$11.8	\$9.0	\$2.3	19.7%	\$2.8	23.8%	\$158.4

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

Schedule Performance (\$+2.3M/+19.7%): TRU Retrieval continues to be ahead of plan, and Pu-238 drum retrieval was completed 6 months ahead of schedule. WIPP certification is one month ahead of schedule.

Cost Performance (+\$2.8M/+23.8%): The cost variance in PBS RL-0013 is primarily due to TRU retrieval production efficiencies with the shipment of several large boxes, WIPP certification efficiencies with higher production volumes, and upfront payment in FY 2005 for MLLW waste disposed in FY 2006.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comment
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m ³	TPA	12/31/05	7/21/05		Complete
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m ³ of Waste to LDR Requirements	TPA	12/31/05	12/7/04		Complete
M-26-01P	Submit Annual LDR Report	TPA	4/30/06		4/28/06	On Schedule
M-91-45C	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/06		9/29/06	On Schedule
M-16-93	Workplan for preparation of TRU/TRUM Waste	TPA	9/30/06		9/29/06	On Schedule
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m ³	TPA	12/31/06		9/29/06	Ahead of Schedule
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		12/29/06	On Schedule
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m ³ of Waste to LDR Requirements	TPA	12/31/06		12/29/06	On Schedule
M-91-12	Complete thermal treatment of a cumulative 600 m ³ of CH-MLLW	TPA	11/16/07		11/16/07	On Schedule